

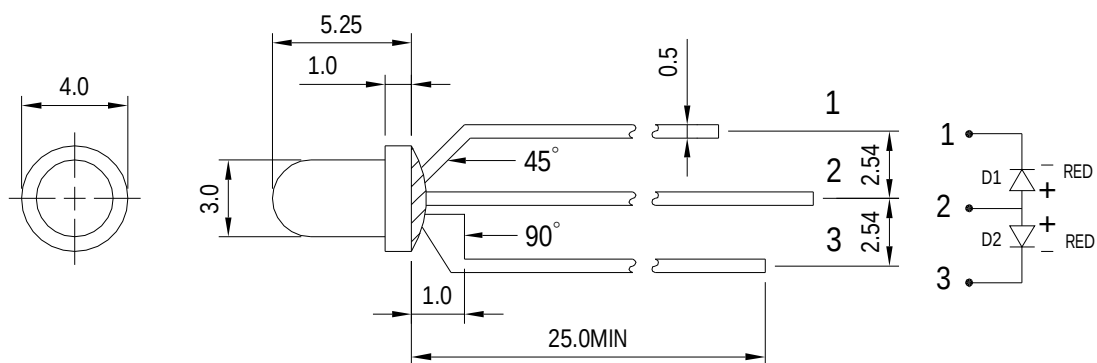
# JOINSCAN LEDs

| Ø 3.0 mm 3PINs DUAL COLOR CLEAR TYPE LED LAMP |                 |
|-----------------------------------------------|-----------------|
| MODEL NO.                                     | L306SC+         |
| EMITTING COLOR                                | RED / RED       |
| DICE                                          | GaAlAs / GaAlAs |
| LENS                                          | CLEAR TYPE      |

| ABSOLUTE MAXIMUM RATINGS ( 最大極限值 )<br>TA = 25 °C                                                |        |                 |        |
|-------------------------------------------------------------------------------------------------|--------|-----------------|--------|
| PARAMETER                                                                                       | SYMBOL | RATING          | UNIT   |
| D1 RED POWER DISSIPATION                                                                        | P AD   | 51.0            | mW     |
| D2 RED POWER DISSIPATION                                                                        | P AD   | 51.0            | mW     |
| DERATING LINEAR FROM 25 °C                                                                      |        | 0.27            | m / °C |
| D1 RED CONTINUOUS FORWARD CURRENT                                                               | I AF   | 30.0            | mA     |
| D2 RED CONTINUOUS FORWARD CURRENT                                                               | I AF   | 30.0            | mA     |
| PEAK FORWARD CURRENT ( DUTY CYCLE 1 / 10 , 10KHZ )                                              | I PF   | 90.0            | mA     |
| REVERSE VOLTAGE                                                                                 | V R    | 5.0             | V      |
| OPERATING TEMPERATURE                                                                           | T OPR  | -25°C TO + 85°C |        |
| STORAGE TEMPERATURE                                                                             | T STG  | -25°C TO + 85°C |        |
| SOLDER TEMPERATURE 1/16 INCH BELOW SEATING PLANE FOR 5 SECONDS AT 230 °C OR 3 SECONDS AT 250 °C |        |                 |        |

| D1 RED ELECTRO - OPTICAL CHARACTERISTICS ( 電性 )<br>TA = 25 °C |             |            |     |     |     |      |
|---------------------------------------------------------------|-------------|------------|-----|-----|-----|------|
| PARAMETER                                                     | SYMBOL      | CONDITION  | MIN | TYP | MAX | UNIT |
| FORWARD VOLTAGE                                               | V F         | I F = 20mA | —   | 1.7 | —   | V    |
| LUMINOUS INTENSITY                                            | I V         | I F = 20mA | —   | 100 | —   | mcd  |
| PEAK EMISSION WAVELENTH                                       | $\lambda$ P | I F = 20mA | —   | 650 | —   | nm   |
| REVERSE CURRENT                                               | I R         | VR = 5V    | —   | —   | 100 | μA   |

| D2 RED ELECTRO - OPTICAL CHARACTERISTICS ( 電性 )<br>TA = 25 °C |             |            |     |     |     |      |
|---------------------------------------------------------------|-------------|------------|-----|-----|-----|------|
| PARAMETER                                                     | SYMBOL      | CONDITION  | MIN | TYP | MAX | UNIT |
| FORWARD VOLTAGE                                               | V F         | I F = 20mA | —   | 1.7 | —   | V    |
| LUMINOUS INTENSITY                                            | I V         | I F = 20mA | —   | 100 | —   | mcd  |
| PEAK EMISSION WAVELENTH                                       | $\lambda$ P | I F = 20mA | —   | 650 | —   | nm   |
| REVERSE CURRENT                                               | I R         | VR = 5V    | —   | —   | 100 | μA   |



UNIT : mm  
TOLERANCE : ± 0.2mm  
REV : B